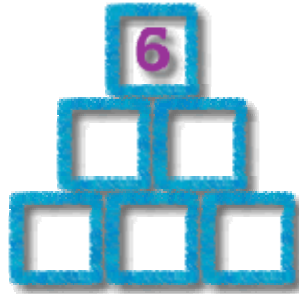


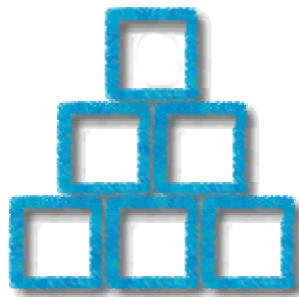
Snazzy Triangle

There is a number 6 on the tip of the triangle. Arrange the numbers 1, 2, 3, 4 and 5 such that the sum of each side of the triangle is 12.

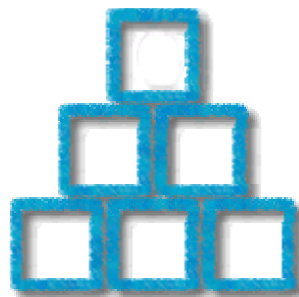


Extensions:

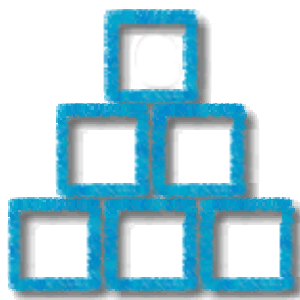
Rearrange the numbers 1 through 6 so that the sum of each side of the triangle is 9.



Rearrange the numbers 1 through 6 so that the sum of each side of the triangle is 10.



What other numbers is it possible for the three sides to sum to by rearranging the numbers 1 through 6?



Credits:

Original problem by Ted Lewis of The Pacific Institute of Mathematical Sciences
Extensions by Gord! © 2005 Galileo